

The universal air humidifier UB-12 is a product of the AIRWIN® brand of BOGA GmbH. It is used for the fully automatic production of aerosol mist from demineralised water according to the ultrasonic principle. Performance of the humidifier is controlled by an external hygrostat ON/OFF signal, or by a customer-supplied, continuous control signal. The spot or surface dispersion of the aerosol mist is done by an aerosol distribution system.

Specification

- Housing (shiny surface) with aerosol exhaust pipes made of demineralised water-resistant stainless steel
- Filtering of the intake air by washable coarse filter
- Two cross flow fans for the cooling of electronic system and the transport of the aerosol mist from the exhaust pipes
- Central electrical control connection to 10-pole plug
- Ultrasonic oscillating circuit with 1.7 MHz exciter frequency with integrated fuse and temperature monitoring of the power transistors
- Power control according to pulse width modulation (PWM)
- Electrical power connection 48 VAC at the built-in socket
- Possibility to connect standard control signals, e.g. 0-10 VDC, 0-10 mA, 4-10 mA
- Possibility to connect a hygrostat - also 2-stage
- Possibility to connect a safety chain
- Solenoid valve combination for water supply and water drainage
- Water-technical connection without tools by means of hose connectors for metric hoses/pipes
- Automatic level control of the water level, dry-running protection, overheat protection, protection against overvoltage peaks, overflow protection, disconnection protection
- **AquaDrain:** integrated hygiene management for cyclical flushing of the water inlet pipe and cyclical or permanent emptying of the fluid tank according to pre-set parameters

Technical data

Max. humidification output	6	kg/h
Number of transducers:	12	
Power consumption	450	VA

Dimensions

Installation dimensions of humidifier – height x width x depth	268 x 992 x 368	mm
Aerosol exhaust pipe	Ø 75	mm
Hose water inlet	Ø 6	mm
Hose water overflow/discharge	Ø 12	mm
Weight	25	kg

Conditions of use

Power supply	48 / 50	V / Hz
Conductivity of demineralised water	5...20	µS/cm
Ambient temperature	5...45	°C
Ambient humidity	0...90	% RH
Water temperature	5...40	°C
Water pressure	1...6	bar

Delivery volume

- UB-12 universal air humidifier
- Installation and operating instructions
- Water filter for hose D/d = 6/4 mm (incl. 100 mm hose)
- Plug 3-pole, 20 A
- 10-pole plug, straight
- Stop cock Ø 6 mm

Product specification

Brand	AIRWIN®
Model	UB-12
Item No.	7900612



Rev 11/2016



AIRWIN
Die Kunst der Luftbefeuchtung
The art of humidification

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The universal air humidifier UB-12/FB is a product of the AIRWIN® brand of BOGA GmbH. It is used for the fully automatic production of aerosol mist from demineralised water according to the ultrasonic principle. Performance of the humidifier is controlled by turning knobs for four aerosol outputs each at the wired remote control. The spot or surface dispersion of the aerosol mist is done by an aerosol distribution system.

Specification

- Housing (shiny surface) with aerosol exhaust pipes made of demineralised water-resistant stainless steel
- Filtering of the intake air by washable coarse filter
- Two cross flow fans for the cooling of electronic system and the transport of the aerosol mist from the exhaust pipes
- Electrical power connection 48 VAC at the built-in socket
- Central electrical control connection to 10-pole plug
- Wired remote control with power potentiometers to adjust the humidity output between 0 and 100% for 4 aerosol outputs each. Cable length 2 m
- Ultrasonic oscillating circuit with 1.7 MHz exciter frequency with integrated fuse and temperature monitoring of the power transistors
- Power control according to pulse width modulation (PWM)
- Possibility to connect a limit hygostat
- Possibility to connect a safety chain
- Solenoid valve combination for water supply and water drainage
- Water-technical connection without tools by means of hose connectors for metric hoses/pipes
- Automatic level control of the water level, dry-running protection, overheat protection, protection against overvoltage peaks, overflow protection, disconnection protection
- **AquaDrain:** integrated hygiene management for cyclical flushing of the water inlet pipe and cyclical or permanent emptying of the fluid tank according to pre-set parameters

Technical data

Max. humidification output	6	kg/h
Number of transducers:	12	
Power consumption	450	VA

Dimensions

Installation dimensions of humidifier – height x width x depth	268 x 992 x 368	mm
Installation dimensions of remote control – height x width x depth	45 x 55 x 129	mm
Aerosol exhaust pipe	Ø 75	mm
Hose water inlet	Ø 6	mm
Hose water overflow/discharge	Ø 12	mm
Weight	25	kg

Conditions of use

Power supply	48 / 50	V / Hz
Conductivity of demineralised water	5...20	µS/cm
Ambient temperature	5...45	°C
Ambient humidity	0...90	% RH
Water temperature	5...40	°C
Water pressure	1...6	bar

Scope of delivery

- UB-12/FB universal air humidifier
- Wired 2-channel remote control with potentiometers
- Installation and operating instructions
- Water filter for hose D/d = 6/4 mm (incl. 100 mm hose)
- Plug 3-pole, 20 A
- 10-pole plug, straight
- stop cock Ø 6 mm

Product specification

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The universal air humidifier UB-18 is a product of the AIRWIN® brand of BOGA GmbH. It is used for the fully automatic production of aerosol mist from demineralised water according to the ultrasonic principle. Performance of the humidifier is controlled by an external hygrostat ON/OFF signal, or by a customer-supplied, continuous control signal. The spot or surface dispersion of the aerosol mist is done by an aerosol distribution system.

Specification

- Housing (shiny surface) with aerosol exhaust pipes made of demineralised water-resistant stainless steel
- Filtering of the intake air by washable coarse filter
- Two cross flow fans for the cooling of electronic system and the transport of the aerosol mist from the exhaust pipes
- Central electrical control connection to 10-pole plug
- Ultrasonic oscillating circuit with 1.7 MHz exciter frequency with integrated fuse and temperature monitoring of the power transistors
- Power control according to pulse width modulation (PWM)
- Electrical power connection 48 VAC at the built-in socket
- Possibility to connect standard control signals, e.g. 0-10 VDC, 0-10 mA, 4-10 mA
- Possibility to connect a hygrostat - also 2-stage
- Possibility to connect a safety chain
- Solenoid valve combination for water supply and water drainage
- Water-technical connection without tools by means of hose connectors for metric hoses/pipes
- Automatic level control of the water level, dry-running protection, overheat protection, protection against overvoltage peaks, overflow protection, disconnection protection
- **AquaDrain:** integrated hygiene management for cyclical flushing of the water inlet pipe and cyclical or permanent emptying of the fluid tank according to pre-set parameters

Technical data

Max. humidification output	9	kg/h
Number of transducers:	18	
Power consumption	675	VA

Dimensions

Installation dimensions of humidifier – height x width x depth	268 x 992 x 368	mm
Aerosol exhaust pipe	Ø 75	mm
Hose water inlet	Ø 6	mm
Hose water overflow/discharge	Ø 12	mm
Weight	26	kg

Conditions of use

Power supply	48 / 50	V / Hz
Conductivity of demineralised water	5...20	µS/cm
Ambient temperature	5...45	°C
Ambient humidity	0...90	% RH
Water temperature	5...40	°C
Water pressure	1...6	bar

Delivery volume

- UB-18 universal air humidifier
- Installation and operating instructions
- Water filter for hose D/d = 6/4 mm (incl. 100 mm hose)
- Plug 3-pole, 20 A
- 10-pole plug, straight
- Stop cock Ø 6 mm

Product specification

Brand	AIRWIN®
Model	UB-18
Item No.	18



Rev 11/2016



The universal air humidifier UB-18/FB is a product of the AIRWIN® brand of BOGA GmbH. It is used for the fully automatic production of aerosol mist from demineralised water according to the ultrasonic principle. Performance of the humidifier is controlled by turning knobs for four aerosol outputs each at the wired remote control. The spot or surface dispersion of the aerosol mist is done by an aerosol distribution system.

Specification

- Housing (shiny surface) with aerosol exhaust pipes made of demineralised water-resistant stainless steel
- Filtering of the intake air by washable coarse filter
- Two cross flow fans for the cooling of electronic system and the transport of the aerosol mist from the exhaust pipes
- Electrical power connection 48 VAC at the built-in socket
- Central electrical control connection to 10-pole plug
- Wired remote control with power potentiometers to adjust the humidity output between 0 and 100% for 4 aerosol outputs each. Cable length 2 m
- Ultrasonic oscillating circuit with 1.7 MHz exciter frequency with integrated fuse and temperature monitoring of the power transistors
- Power control according to pulse width modulation (PWM)
- Possibility to connect a limit hygostat
- Possibility to connect a safety chain
- Solenoid valve combination for water supply and water drainage
- Water-technical connection without tools by means of hose connectors for metric hoses/pipes
- Automatic level control of the water level, dry-running protection, overheat protection, protection against overvoltage peaks, overflow protection, disconnection protection
- **AquaDrain:** integrated hygiene management for cyclical flushing of the water inlet pipe and cyclical or permanent emptying of the fluid tank according to pre-set parameters

Technical data

Max. humidification output	9	kg/h
Number of transducers:	18	
Power consumption	675	VA

Dimensions

Installation dimensions of humidifier – height x width x depth	268 x 992 x 368	mm
Installation dimensions of remote control – height x width x depth	45 x 55 x 129	mm
Aerosol exhaust pipe	Ø 75	mm
Hose water inlet	Ø 6	mm
Hose water overflow/discharge	Ø 12	mm
Weight	26	kg

Conditions of use

Power supply	48 / 50	V / Hz
Conductivity of demineralised water	5...20	µS/cm
Ambient temperature	5...45	°C
Ambient humidity	0...90	% RH
Water temperature	5...40	°C
Water pressure	1...6	bar

Scope of delivery

- UB-18/FB universal air humidifier
- Wired 2-channel remote control with potentiometers
- Installation and operating instructions
- Water filter for hose D/d = 6/4 mm (incl. 100 mm hose)
- Plug 3-pole, 20 A
- 10-pole plug, straight
- stop cock Ø 6 mm



Product specification

Brand	AIRWIN®
Model	UB-18/FB
Item No.	7900718

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The universal air humidifier UB-24 is a product of the AIRWIN® brand of BOGA GmbH. It is used for the fully automatic production of aerosol mist from demineralised water according to the ultrasonic principle. Performance of the humidifier is controlled by an external hygrostat ON/OFF signal, or by a customer-supplied, continuous control signal. The spot or surface dispersion of the aerosol mist is done by an aerosol distribution system.

Specification

- Housing (shiny surface) with aerosol exhaust pipes made of demineralised water-resistant stainless steel
- Filtering of the intake air by washable coarse filter
- Two cross flow fans for the cooling of electronic system and the transport of the aerosol mist from the exhaust pipes
- Central electrical control connection to 10-pole plug
- Ultrasonic oscillating circuit with 1.7 MHz exciter frequency with integrated fuse and temperature monitoring of the power transistors
- Power control according to pulse width modulation (PWM)
- Electrical power connection 48 VAC at the built-in socket
- Possibility to connect standard control signals, e.g. 0-10 VDC, 0-10 mA, 4-10 mA
- Possibility to connect a hygrostat - also 2-stage
- Possibility to connect a safety chain
- Solenoid valve combination for water supply and water drainage
- Water-technical connection without tools by means of hose connectors for metric hoses/pipes
- Automatic level control of the water level, dry-running protection, overheat protection, protection against overvoltage peaks, overflow protection, disconnection protection
- **AquaDrain:** integrated hygiene management for cyclical flushing of the water inlet pipe and cyclical or permanent emptying of the fluid tank according to pre-set parameters

Technical data

Max. humidification output	12	kg/h
Number of transducers:	24	
Power consumption	900	VA

Dimensions

Installation dimensions of humidifier – height x width x depth	268 x 992 x 368	mm
Aerosol exhaust pipe	Ø 75	mm
Hose water inlet	Ø 6	mm
Hose water overflow/discharge	Ø 12	mm
Weight	28	kg

Conditions of use

Power supply	48 / 50	V / Hz
Conductivity of demineralised water	5...20	µS/cm
Ambient temperature	5...45	°C
Ambient humidity	0...90	% RH
Water temperature	5...40	°C
Water pressure	1...6	bar

Delivery volume

- UB-24 universal air humidifier
- Installation and operating instructions
- Water filter for hose D/d = 6/4 mm (incl. 100 mm hose)
- Plug 3-pole, 20 A
- 10-pole plug, straight
- Stop cock Ø 6 mm

Product specification

Brand	AIRWIN®
Model	UB-24
Item No.	7900624



Rev 11/2016



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Specification

- Housing (shiny surface) with aerosol exhaust pipes made of demineralised water-resistant stainless steel
- Filtering of the intake air by washable coarse filter
- Two cross flow fans for the cooling of electronic system and the transport of the aerosol mist from the exhaust pipes
- Electrical power connection 48 VAC at the built-in socket
- Central electrical control connection to 10-pole plug
- Wired remote control with power potentiometers to adjust the humidity output between 0 and 100% for 4 aerosol outputs each. Cable length 2 m
- Ultrasonic oscillating circuit with 1.7 MHz exciter frequency with integrated fuse and temperature monitoring of the power transistors
- Power control according to pulse width modulation (PWM)
- Possibility to connect a limit hygostat
- Possibility to connect a safety chain
- Solenoid valve combination for water supply and water drainage
- Water-technical connection without tools by means of hose connectors for metric hoses/pipes
- Automatic level control of the water level, dry-running protection, overheat protection, protection against overvoltage peaks, overflow protection, disconnection protection
- **AquaDrain:** integrated hygiene management for cyclical flushing of the water inlet pipe and cyclical or permanent emptying of the fluid tank according to pre-set parameters

Technical data

Max. humidification output	12	kg/h
Number of transducers:	24	
Power consumption	900	VA

Dimensions

Installation dimensions of humidifier – height x width x depth	268 x 992 x 368	mm
Installation dimensions of remote control – height x width x depth	45 x 55 x 129	mm
Aerosol exhaust pipe	Ø 75	mm
Hose water inlet	Ø 6	mm
Hose water overflow/discharge	Ø 12	mm
Weight	27	kg

Conditions of use

Power supply	48 / 50	V / Hz
Conductivity of demineralised water	5...20	µS/cm
Ambient temperature	5...45	°C
Ambient humidity	0...90	% RH
Water temperature	5...40	°C
Water pressure	1...6	bar

Scope of delivery

- UB-24/FB universal air humidifier
- Wired 2-channel remote control with potentiometers
- Installation and operating instructions
- Water filter for hose D/d = 6/4 mm (incl. 100 mm hose)
- Plug 3-pole, 20 A
- 10-pole plug, straight
- stop cock Ø 6 mm

Product specification

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